

PHYSIOLOGICAL SUPPORT DEBRIEFING

Approved For Release 2001/04/17 : CIA-RDP69B00041R000600080006-9

25X1A

DATE 16 Sep '67 ACFT 129 PILOT [REDACTED]

TIME IN FLIGHT 4:00 TIME IN SUIT \_\_\_\_\_ PREBREATHING TIME \_\_\_\_\_

- |   | SATISFACTORY                        | UNSATISFACTORY                      |
|---|-------------------------------------|-------------------------------------|
| 1. PHYSICAL CONDITION (PILOT)           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 2. SURVIVAL KIT AND CUSHION <u>52</u>   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 3. PARACHUTE <u>139</u>                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 4. HELMET - <u>3</u>                    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| A. REFLECTIONS                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| B. FACE HEAT                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| C. COMMUNICATIONS                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 5. SUIT PROPER <u>-4</u>                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| A. CABIN DECOMPRESSION: YES <u>(NO)</u> | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 6. OUTER GARMENT <u>-4</u>              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 7. BOOTS AND SPURS <u>-2</u> <u>QD</u>  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 8. GLOVES <u>10-1</u>                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 9. OXYGEN SYSTEM                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

DEPART		RETURN	
TIME	AMT	TIME	AMT

#1 1158 9 1545 8.25

#2 1158 9.25 1545 8.75

10. MISCELLANEOUS

11. EVALUATION ITEMS

A. [REDACTED]

B. [REDACTED]

C. [REDACTED]

D. [REDACTED]

E. [REDACTED]

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

25X1A

*very sore for  
length of time in cockpit - felt  
like 7 hours rather than 4*

PRESSURE SUIT HOOK-UP AND CHECKLIST

- ✓1. Packet in pocket.
- ✓2. Stirrups secured.
- ✓3. Communication secured and functioning.
- ✓4. Face heat on (low).
- ✓5. Oxygen hoses secured in QD.
- ✓6. Three harness snaps secured - harness adjusted and surplus stowed.
- ✓7. Kit adjusted and surplus stowed.
- ✓8. Two (2) bailout hoses secured.
- ✓9. Lap belt, shoulder harness, key secured and adjusted.
- ✓10. Oxygen hoses under right leg strap, chest strap under helmet-hold-down.
- ✓11. Emergency oxygen lanyard secured and pin removed.
- ✓12. Red knob secured.
- ✓13. Green apple secured.
- ✓14. Manual over ride handle secured.
- ✓15. Two (2) rocket jet releases secured.
- ✓16. Check face heat.
- ✓17. Heat probe.
- ✓18. Press to test both oxygen systems.
- ✓19. Readjust lap belt.

✓20. LOW oxygen pressure - #1 system 105/95 #2 system 90/95.

✓21. HIGH oxygen pressure Departing #1 system 9 #2 system 9.25.  
time 1158

✓22. Foot rest guards over seat foot rests.

✓23. KIT LANYARD Hooked

SUBJECT 1052 AIRCRAFT NUMBER 129.

TECHNICIA [REDACTED] DATE OF FLIGHT 16 Sept 67.

HIGH oxygen pressure Returning #1 system 8.25 #2 system 8.75.

1545

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

1. ✓ Ejector pins secured (main and first stage).
2. ✓ Check power cable linkage.
3. ✓ Pack opening electric secured.
4. ✓ First stage jettison timed and pins secured.
5. ✓ Two (2) rocket jet pins secured.
6. ✓ Manual over ride handle secured.
7. ✓ Green apple secured.
8. ✓ Red knob secured.
9. ✓ Bailout hoses adjusted for pressure suit.
10. ✓ Bailout hose connectors operating.
11. ✓ Harness adjusted for HIGH flight.
12. ✓ Automatic openers - triggered and reset.
13. ✓ Aneroids 1400' to 7500'.
14. ✓ Bailout cylinder pins secured.
15. ✓ Bailout cylinder pressure #1 1800 #2 1800
16. ✓ Communication cord secured to chute.
17. ✓ Visual inspection completed.

SURVIVAL KIT

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION

1. ✓ Vent secured at disconnect.
2. ✓ Kit secured to chute - loose.
3. ✓ Emergency oxygen lanyard secured to chute and pin installed.
4. ✓ Communication cord secured at disconnect.
5. ✓ Vent hose secured to chute.
6. ✓ Pin secured in QD and safetied.
7. ✓ Oxygen system low pressure #1 90-95 #2 75-80
8. ✓ Tip pin in "D" ring.
9. ✓ Stirrup cables extended and operating freely.
10. ✓ Foot rest guards over seat foot rest.

SUBJECT 52

PARACHUTE NO. 129

TECHNI [REDACTED]

16 Sept. '67

SEAT KIT NUMBER 38

PARACHUTE NUMBER 139

TYPE CUSHION SB

VENT HOSE NUMBER 71

25X1A

TOP SECRET

FROM: Mission Coordinator \_\_\_\_\_ 196

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held  
in the Operations Briefing Room on 15 SEP 1967 at  
1215 L. The briefing concerns the following:

1. Mission Code Name and Number: BX 6722
2. Date/Time of Launch (H-Hour): 16 SEP / 0245 Z / 1145 L.
3. Ground Spare (H+1:00): 16 SEP / 0345 Z / 1245 L.
- 25X1A 4. Bases: Takeoff [REDACTED] Staging \_\_\_\_\_, Landing [REDACTED] 25X1A
- 25X1A 5. Equipment required: TYPE I CAMERA, [REDACTED] 25X1A
6. Ground Spare Requirements: BACK UP ACFT REQUIRED  
SAME AS PARAGRAPH 5
7. Special Instructions/Comments: LAUNCH BACK UP ACFT  
16 SEP 0345Z / 1245L IF PRIMARY ABORTS.

FOR THE COMMANDER

Mission Coordinator

Office	Time(L)	Recipient	Office	Time(L)	Recipient
CMDR	_____	_____	DCOL	_____	_____
DCO	_____	_____	DCOC/MC	_____	_____
DCM	_____	_____	DCOMI	_____	_____
DCS	_____	_____	DCOW	_____	_____
SECUR	_____	_____	COMMO	_____	_____
FLT SURG	_____	_____	AFCS	_____	(Notify Only)
DCOM	_____	_____	TTFC(SAC)	_____	(Notify Only)

TOP SECRET

DCOL

MISSION PILOTS ACTIVITY SCHEDULE FOR OPERATIONAL MISSION

<u>H-HOUR</u> <u>TIME</u> <u>PRIMARY</u>	<u>LOCAL</u> <u>TIME</u> <u>PRIMARY</u>	<u>H-HOUR</u> <u>TIME</u> <u>SPARE</u>	<u>LOCAL</u> <u>TIME</u> <u>SPARE</u>	<u>ITEM</u>	<u>LOCATION</u>
H -22:30	<u>1315</u>			Pre-Mission Physical Exam	Flt Surg
H -21:30	<u>1415</u>			Eating	A/C Mess
H -20:30	<u>1515</u>			Recreation activities as scheduled	Selected Area
H -18:00	<u>1745</u>			Intelligence Review	DCOMI
H -17:00	<u>1845</u>			Initial Brief & Recreation	DCO Brief Rm
H -14:00	<u>2145</u>			Eating	A/C Mess
H -13:00	<u>2245</u>			Crew Rest	Asgd House
H -4:00	<u>0745</u>			Wake/up Psychological Ck	Asgd House/ Crew Mess
H -3:30	<u>0815</u>			Final Briefing	DCO Brief Rm
H -2:30	<u>0915</u>			Breakfast	A/C Mess
H -1:20	<u>1025</u>	H +:20	<u>1025</u>	Final Physical Evaluation	DCOL
H -1:10	<u>1035</u>	H -1:10	<u>1135</u>	Suiting	DCOL
H -1:50	<u>1055</u>	H +:10	<u>1155</u>	Leave Ops	Transport Van
H -1:45	<u>1100</u>	H +:15	<u>1200</u>	Arrive Aircraft	Hangar
H -1:30	<u>1115</u>	H +:30	<u>1215</u>	Start Engine	Hangar
H -1:20	<u>1125</u>	H +:40	<u>1225</u>	Taxi	Aircraft
H -1:05	<u>1140</u>	H +:55	<u>1240</u>	Trim Engine	Aircraft
H -1:00	<u>1145</u>	H +1:00	<u>1245</u>	Take Off	Aircraft
L +:25				Post Mission Physical	DCOL
L +:45				Ops Debrief	DCO Brief Rm
L +1:00				Mission Debrief	DCO Brief Rm
L +3:30				Released	

\*\*\* TOP SECRET \*\*\*

## DCOL CHECK LIST

\* DENOTES MANDATORY CALL TO COMMAND POST UPON COMPLETION

H-24:00 TO H-23:30: SECURE SUITS, CHUTES, KITS AND VENT UNITS: .....✓ 1145-1215

DESIGNATE LIFE SUPPORT TECHNICIANS: [REDACTED] ✓ 1145-1215

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H-23:30: ATTEND COMMANDERS BRIEFING:.....✓

SUBMIT HANGAR ACCESS ROSTER, 5 CYS 1-MC 3-SECURITY 1-DCOL.....✓ 1215

SUBMIT RECOVERY ROSTER, 3 CYS 1-MC 1-ADMIN 1-DCOL.....✓ 1215

H-22:00 TO H-21:30: COORDINATE WITH INTELLIGENCE AND SURVIVAL PERSONNEL ON SURVIVAL AND E&amp;E ITEMS:.....✓ 1345-1415

H-22:00 TO H-17:00: PREFLIGHT:

BOTH SUITS (EA PILOT).....✓ 1345-1845

PARACHUTE AND EMERGENCY O2 SYSTEMS.....✓

SEAT KIT COMPONENTS.....✓

SUIT ROOM VENT.....✓

LOX VENT UNIT.....✓

OXYGEN CYLINDERS.....✓

TEST EQUIPMENT.....✓

TRANSPORT VANS.....✓ 1345-1845

H-20:00: NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING:.....✓ 1545

H-3:00 TO H-1:40: PREPARE PREBREATHING ROOM FOR RECEIPT OF PILOT:.....✓ 0845-1005

H-2:00 PERSONALLY CHECK WITH MISSION COORDINATOR AT C.P. TO VERIFY NAMES OF

PRIMARY AND SPARE PILOTS AND AIRCRAFT:

P.....✓ 5-1/27

S.....✓ 26/31

INSTALL SEAT KIT AND PARACHUTE:.....✓ 0945

H-2:00: RECEIVE PACKET FROM INTELLIGENCE:.....✓ 0945

H-1:45 TO H-1:30: SECURITY INSPECTS SUITS:.....✓ 1000-1015 ✓ 1100-1115

H-1:40 TO H-1:25: FLIGHT SURGEONS MEDICAL IN DCOL:.....✓ 1025-1035 ✓ 1025-1035

H-1:20 TO H-1:10: DRESS PILOT, PRESSURE CHECK EQUIPMENT:.....✓ 1035-1045 ✓ 1135-1145

H-1:10 TO H-1:05: PREPARE FOR PILOT TRANSPORT:.....✓ 1050-1055 ✓ 1150-1155

\*H-1:05 TO H-1:00: TRANSPORT TO AIRCRAFT:.....✓ 1055-1100 ✓ 1155-1200

\*H-1:00 TO H-0:45: PILOT HOOKUP AND SUIT A/C CHECK:.....✓ 1100-1115 ✓ 1200-1215

H-0:45 TO TAKEOFF: STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT:.....✓ 1115-1145 ✓ 1215-1225

LANDING: REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT:.....✓

DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT:.....✓

POST-FLIGHT EQUIPMENT:.....✓

\*\*\* TOP SECRET \*\*\*

DCOL

25X1A

FROM: DCOL [REDACTED] (49216)

15 Sep 67

SUBJECT: Access Roster for Mission

BX 6722

TO: Mission Coordinator

25X1A



C.P.  
X

HANGER/COCKPIT

DCOL

X

X

X

X

X

X

X

X

X

X

X

X

25X1A



DCOL

*Deol*

25X1A

FROM: DCOI [REDACTED]

15 Sep 1967

SUBJECT: Recovery Personnel for Mission BX6722

TO: DCO

25X1A

[REDACTED] 18 284 302

25X1A

[REDACTED] Major, USAF

DCOI



Bx 6722

P/AC 129

S/AC 131

P/P

S/P

25X1A



FULL PRESSURE SUIT TEST LOG

SUBJECT # 105-2  
 SUIT # -4  
 OUTER GARMENT W/FLOAT GEAR -4  
 HELMET # -3  
 GLOVES # 10-1  
 BOOTS -2 QD

FLIGHT DATE 16 Sept 67  
 DON 1035  
 DOFF 1545  
 TIME IN SUIT 5+10  
 TECHNICIAN [REDACTED]

25X1A

<u>PRESS-TO-TEST</u>	<u>PRE-FLIGHT</u>	<u>SUBJECT TEST</u>	<u>POSTFLIGHT</u>
<u>SYSTEM #1</u>	<u>15 Sept. 67</u> <u>913</u>		
Max Pressure	<u>116</u>	<u>107</u>	<u>116</u>
Differential	<u>1.6</u>	<u>1.6</u>	<u>1.6</u>
Leak Rate	<u>1050</u>	<u>250</u>	<u>400</u>
<u>SYSTEM #2</u>			
Max Pressure	<u>114</u>	<u>120</u>	<u>118</u>
Differential	<u>1.6</u>	<u>1.6</u>	<u>1.6</u>
Leak Rate	<u>1025</u>	<u>250</u>	<u>350</u>
Unpress Leak Rate	<u>400</u>	<u>300</u>	<u>800</u>
Face Heat	<u>20 ~</u>		
Commo and Cord	<u>✓</u>		
Pencils	<u>✓</u>		
Knife	<u>✓</u>		
Controller Number	<u>71</u>		
Packet	<u>✓</u>		
Grease Zippers	<u>✓</u>		
Check Location of CO <sub>2</sub>	<u>✓</u>		
Pressure Tap Screws	<u>✓</u>		